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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/029,543	12/08/1998	ELIEZER RACHAMAN	P-68712-US	6203
27130 75	590 02/23/2006		EXAMINER	
	RL, LATZER & COHE	PESELE	PESELEV, ELLI	
NEW YORK,	LLER PLAZA, SUITE 100 NY 10020	<b>71</b>	ART UNIT	PAPER NUMBER
,			1623	
			D. 1777 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_

DATE MAILED: 02/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary  The MAILING DATE of this communication appeared for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period without the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) □ Responsive to communication(s) filed on 11 Fee 2a) □ This action is FINAL. 2b) □ This 3	IS SET TO EXPIRE 3 MONTHATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be to the ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDON date of this communication, even if timely file above the interval of the communication, even if timely file above the application of the communication, even if timely file above the application of the communication, even if timely file above the application of the communication, even if timely file above the application of the communication of t	I(S) OR THIRTY (30) DAYS, DN. imely filed m the mailing date of this communication. ED (35 U.S.C. § 133). ed, may reduce any
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<ol> <li>Since this application is in condition for allowan closed in accordance with the practice under Ex</li> </ol>	ı	
Disposition of Claims	l.	
4)	n from consideration. election requirement. epted or b) □ objected to by the	
Replacement drawing sheet(s) including the correction	on is required if the drawing(s) is o	bjected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Offic	e Action or form PTO-152.
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign of a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prioric application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Applica ity documents have been received (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [ 5) Notice of Informal 6) Other:	

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The disclosure is objected to because of the following informalities: It is improper to have Figure 1 as part of the specification on [age 5. All Figures should be presented separately as drawings.

Appropriate correction is required.

Claims 15-40 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

A conclusion of lack of enablement means that, based on the evidence regarding each of the factors below, the specification, at the time the application was filed, would not have taught one skilled in the art how to make and/or use the full scope of the claimed invention without undue experimentation.

(A) The breadth of the claims.

The claims are drawn to pyradinium derivatives wherein R1 and R2 are alkenyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl, A is alkylene, alkenylene or alkynylene and Z is dialkylcarbamoyl and Q can be substituted or coupled to a physiologically active acceptable moiety. Said groups are not limited to any number of carbon atoms.

(B) The state of the prior art.

The prior art fails to show pyradinium compounds substituted with the above stated moieties.

(C) The level of one of ordinary skill.

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One or ordinary skill in the art would be a Physician with an M.D./PhD.

(D) The level of predictability in the art.

It is well known in the art that even minor changes in the structural formula of a compound can greatly affect its activity. The variables set forth in claim 15 are not limited to any number of carbon atoms. A person having ordinary skill in the art at the time the instant invention was made would not have been able to predict that the claimed compound, wherein, for example R1 is alkenyl having 2 carbon atoms will have the same activity as an alkenyl group having 100 carbon atoms.

(E) The amount of direction provided by the inventor.

The inventor has not provided any direction on how to chose the specific variables which will result in a compound having the desired activity.

(F) The existence of working examples.

No working examples are provided to the various substituents encompassed by the instant claims.

(G) The quantity of experimentation needed to make or use the invention based on the content of the disclosure.

It would take an undue amount of experimentation to determine which specific alkenyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl, alkylene, alkynylene, alkynylene, dialkylcarbamaoyl or a physiologically active acceptable moiety will produce the desired compounds since the above cited moieties are not limited to any number of carbons and therefore encompass such a large number of groups. Further, the terminology "a physiologically active acceptable moiety" (claim 15) encompass all active moieties, such

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as heterocyclics, amino acids, steroids, peptides, nucleosides, sugars, etc. Therefore, it would take an undue amount of experimentation to determine which specific moieties will be useful in the claimed invention.

Claims 15, 17 and 32-40 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The term "polyphosphorylated sugar" (claim 15) is not disclosed or suggested by the specification as originally filed.

Claims 16, 20, 24, 25 and 35) are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

There is no antecedent basis in claim 15 for Q representing alditols, ascorbic acid or its derivatives (claims 16, 20, 24 and 25).

Claim 35 is indefinite in that it is directed to the treatment of more than one disease at the same time.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elli Peselev whose telephone number is (571) 272-0659. The examiner can normally be reached on 8.00-4.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shaojia Jiang can be reached on (571) 272-0627. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Elli Peselev

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